

FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	APPLICANT: Laurent Bellon et al.	
	FILING DATE:	GROUP:

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
JP	AA	5,625,047	04/29/97	Been et al.			
	AB	4,987,071	01/22/91	Cech et al.			
	AC	5,631,359	05/20/97	Chowrira et al.			
	AD	5,334,711	08/02/94	Sproat et al.			

FOREIGN PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION		
							YES	NO	
JP	AE	96/19577	06/27/96	WO/PCT (Collins et al.)					
	AF	92/07065	9/28/91	WO/PCT (Eckstein et al.)					
	AG	0 360 257	03/28/90	EPO (Hampel)					
	AH	91/03162	03/21/91	WO/PCT (Rossi et al.)					
	AI	95/23225	08/31/95	WO/PCT (Stinchcomb et al.)					
	AJ	93/15187	08/05/93	WO/PCT (Usman et al.)					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
JP	AK	Beigelman et al., "Chemical Modification of Hammerhead Ribozymes," <u>J. Biol. Chem.</u> 270:25702-25708 (1995)
	AL	Burgin et al., "Chemically Modified Hammerhead Ribozymes with Improved Catalytic Rates," <u>Biochemistry</u> 35:14090-14097 (1996) (volume no mistakenly listed as 6)
	AM	Burke et al., "Structural Analysis and Modifications of the Hairpin Ribozyme," <u>Nucleic Acids and Molecular Biology</u> , edited by Eckstein and Lilley, Springer-Verlag Berlin Heidelberg, 10:129-143 (1996)
	AN	Cech et al., "Representation of the secondary and tertiary structure of group I introns," <u>nature structural biology</u> 1:273-280 (1994)
	AO	Cech, "Ribozymes and Their Medical Implications," <u>JAMA</u> 260:3030-3034 (1988)
	AP	Christoffersen and Marr, "Ribozymes as Human Therapeutic Agents," <u>J. Med. Chem.</u> 38:2023-2037 (1995)
	AQ	Collins and Olive, "Reaction Conditions and Kinetics of Self-Cleavage of a Ribozyme Derived From <i>Neurospora</i> VS RNA," <u>Biochemistry</u> 32:2795-2799 (1993)
	AR	Forster and Altman, "External Guide Sequences for an RNA Enzyme," <u>Science</u> 249:783-786 (1990)
	AS	Gasparutto et al., "Chemical synthesis of a biologically active natural tRNA with its minor bases," <u>Nucleic Acids Research</u> 20(19):5159-5166 (1992)
	AT	Guerrier-Takada et al., "The RNA Moiety of Ribonuclease P Is the Catalytic Subunit of the Enzyme," <u>Cell</u> 35:849-857 (1983)

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JP	AU	Guo and Collins, "Efficient <i>trans</i> -cleavage of a stem-loop RNA substrate by a ribozyme derived from <i>Neurospora</i> VS RNA," <u>EMBO J.</u> 14:368-376 (1995)
	AV	Hampel and Tritz, "RNA Catalytic Properties of the Minimum (-)STRSV Sequence," <u>Biochemistry</u> 28:4929-4933 (1989)
	AW	Hampel et al., "'Hairpin' Catalytic RNA Model: Evidence for Helices and Sequence Requirement for Substrate RNA," <u>Nucleic Acids Research</u> 18:299-304 (1990)
	AX	Haseloff and Gerlach, "Simple RNA Enzymes with New and Highly Specific Endoribonuclease Activities," <u>Nature</u> 334:585-591 (1988)
	AY	Hogrefe et al., "Effect of excess water on the desilylation of oligoribonucleotides using tetrabutylammonium fluoride," <u>Nucleic Acids Research</u> 21:4739-4741 (1993)
	AZ	Jeffries and Symons, "A Catalytic 13-mer Ribozyme," <u>Nucleic Acids Research</u> 17:1371-1377 (1989)
	BA	Kim and Cech, "Three-dimensional model of the active site of the self-splicing rRNA precursor of <i>Tetrahymena</i> ," <u>Proc. Natl. Acad. Sci. USA</u> 84:8788-8792 (1987)
	BB	Limbach et al., "Summary: the modified nucleosides of RNA," <u>Nucleic Acids Research</u> 22(12):2183-2196 (1994)
	BC	Pace and Smith, "Ribonuclease P: Function and Variation," <u>J. Biol. Chem.</u> 265:3587-3590 (1990)
	BD	Perreault et al., "Mixed Deoxyribo- and Ribo-Oligonucleotides with Catalytic Activity," <u>Nature</u> 344:565-567 (1990)
	BE	Perreault et al., "Relationship between 2'-Hydroxyls and Magnesium Binding in the Hammerhead RNA Domain: A Model for Ribozyme Catalysis," <u>Biochemistry</u> 30:4020-4025 (1991)
	BF	Perrotta and Been, "Cleavage of Oligoribonucleotides by a Ribozyme Derived from the Hepatitis δ Virus RNA Sequence," <u>Biochemistry</u> 31:16-21 (1992)
	BG	Picken et al., "Kinetic Characterization of Ribonuclease-Resistant 2'-Modified Hammerhead Ribozymes," <u>Science</u> 253:314-317 (1991)
	BH	Pyle et al., "Building a Kinetic Framework for Group II Intron Ribozyme Activity: Quantitation of Interdomain Binding and Reaction Rate," <u>Biochemistry</u> 33:2716-2725 (1994)
	BI	Rossi et al., "Ribozymes as Anti-HIV-1 Therapeutic Agents: Principles, Applications, and Problems," <u>Aids Research and Human Retroviruses</u> 8:183-189 (1992)
	BJ	Saville and Collins, "A Site-Specific Self-Cleavage Reaction Performed by a Novel RNA In <i>Neurospora</i> Mitochondria," <u>Cell</u> 61:685-696 (1990)
	BK	Saville and Collins, "RNA-Mediated Ligation of Self-Cleavage Products of a <i>Neurospora</i> Mitochondrial Plasmid Transcript," <u>Proc. Natl. Acad. Sci. USA</u> 88:8826-8830 (1991)
	BL	Scaringe et al., "Chemical synthesis of biologically active oligoribonucleotides using cyanoethyl protected ribonucleoside phosphoramidites," <u>Nucl Acids Res.</u> 18:5433-5441 (1990)
	BM	Slim and Gait, "Configurational Defined Phosphorothioate-Containing Oligoribonucleotides in the Study of the Mechanism of Cleavage of Hammerhead Ribozymes," <u>Nucleic Acids Research</u> 19:1183-1188 (1991)
	BN	Uhlenbeck, "A Small Catalytic Oligoribonucleotide," <u>Nature</u> 328:596-600 (1987)
	BO	Usman and Cedergren, "Exploiting the chemical synthesis of RNA," <u>TIBS</u> 17:334-339 (1992)
	BP	Usman and McSwiggen, "Ch. 30 - Catalytic RNA (Ribozymes) as Drugs," <u>Annual Reports in Medicinal Chemistry</u> 30:285-294 (1995)
	BQ	Usman et al., "Automated Chemical Synthesis of Long Oligoribonucleotides Using 2'-O-Silylated Ribonucleoside 3'-O-Phosphoramidites on a Controlled-Pore Glass Support: Synthesis of a 43-Nucleotide Sequence Similar to the 3'-Half Molecule of an <i>Escherichia coli</i> Formylmethionine tRNA," <u>J. Am. Chem. Soc.</u> 109:7843-7854 (1987)
	BR	Usman et al., "Chemical modification of hammerhead ribozymes: activity and nuclease resistance," <u>Nucleic Acids Symposium Series</u> 31:163-164 (1994)

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
JP	BS	Usman et al., "Hamerhead ribozyme engineering," <u>Current Opinion in Structural Biology</u> 1:527-533(1996)
↓	BT	Vinayak et al., "Advances in the chemical synthesis and purification of RNA," <u>Nucleic Acids Symposium Series</u> 33:123-125 (1995)
	BU	Wincott et al., "Synthesis, deprotection, analysis and purification of RNA and ribozymes," <u>Nucleic Acids Research</u> 23:2677-2684 (1995)
	BV	Zaug et al., "The Tetrahymena Ribozyme Acts Like an RNA Restriction Endonuclease," <u>Nature</u> 324:429-433 (1986)

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